

XP-002263590

AN - 1985-126613 [21]

A - [001] 014 03- 04- 23& 231 236 353 359 431 473 477 54& 57& 575 596 656  
659 678

AP - JP19830171856 19830916

CPY - NIKO-N

DC - A97 L02

DR - 1498-U 1499-U 1503-U 1508-U 1517-U 1519-U 1520-U 1531-U 1533-U 1544-U  
1694-U 1925-U 1926-U 1927-U 1936-U 1941-U

FS - CPI

IC - C04B41/89

KS - 0229 0231 1996 2016 2020 2194 2198 2200 2493 2654 2812 3267 3316 3317

MC - A10-E05 A11-B05 A11-C02B A12-B08 A12-W12D L02-A07 L02-G03A

PA - (NIKO-N) NIPPON KOSHITSU TOK

PN - JP60065783 A 19850415 DW198521 003pp

PR - JP19830171858 19830916; JP19830171856 19830916

XA - C1985-055180

XIC - C04B-041/89

AB - J60065783 Coating material comprising 10-20 pts.wt. inorganic pigment and 90-80 pts.wt. UV setting resin is printed by screen process in a thickness not thicker than 20 microns on the surface of glazed fired ceramic and the printed membrane is hardened by irradiation of UV rays. This process is effected repeatedly according as the number of colours, then finally the printed ceramic is fired.

- USE/ADVANTAGE - Rapid polychromatic direct screen printing is possible on the glazed burnt ceramic without solvent. Inorganic pigment is e.g. alumina, cobalt oxide, MnO<sub>2</sub>, iron oxide, vanadium oxide, zircon, tin oxide, nickel oxide, etc. employed in combination with frit made from PbO, K<sub>2</sub>O, Na<sub>2</sub>O, CaO, BaO, SrO, ZnO, Li<sub>2</sub>O, SiO<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, etc. The wt. ratio of resin to (pigment) to frit is pref.  
80-90:10-5:10-5.(0/0)

IW - PRINT TILE SCREEN PROCESS COATING MATERIAL CONTAIN INORGANIC PIGMENT  
ULTRAVIOLET SET RESIN

IKW - PRINT TILE SCREEN PROCESS COATING MATERIAL CONTAIN INORGANIC PIGMENT  
ULTRAVIOLET SET RESIN

NC - 001

OPD - 1983-09-16

ORD - 1985-04-15

PAW - (NIKO-N) NIPPON KOSHITSU TOK

TI - Printing of tiles by screen process - using coating material contg.  
inorganic pigment and UV-settable resin.